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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GW5074

c-Raf1 kinase inhibitor
Catalog No. SIH-451



Discovery through partnership | Excellence through quality

Overview

Product Name

GW5074

Description

c-Raf1 kinase inhibitor

Purity

>98% (TLC)

CAS No.

220904-83-6

Molecular Formula

C₁₁H₁₀Br₂INO₂

Molecular Weight

520.9

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

Soluble to 1 mM in ethanol and to 100 mM in DMSO

Source

Synthetic

Appearance

Yellow to orange solid

SMILES

C1=CC2=C(C=C1)/C(=C/C3=CC(=C(C=C3)Br)O)Br/C(=O)N2

InChI

InChI=1S/C15H8Br2INO2/c16-11-4-7(5-12(17)14(11)20)3-10-9-6-8(18)1-2-13(9)19-15(10)21/h1-6,20H,(H,19,21)/b10-3-

InChIKeyLMXYVLTZRPNRV-KMKOMSMNSA-N

Safety Phrases

Classification:

Not a hazardous substance or mixture.

Safety Phrases:

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Cite This ProductGW5074 (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-451)

Biological Description

Alternative Names3-(3,5-Dibromo-4-hydroxybenzyliden)-5-iodo-1,3-dihydroindol-2-one

Research AreasCancer, Apoptosis, Cancer Growth Inhibitors, Cell Signaling, Tyrosine Kinase Inhibitors

PubChem ID5924208

Scientific Background

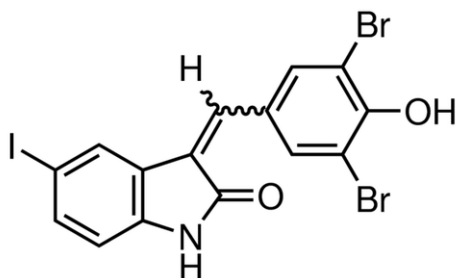
GW5074 is a potent and selective c-Raf1 kinase inhibitor. GW5074 shows ? 100-fold selectivity for raf kinase over CDK1, CDK2, c-src, ERK2, MEK, p38, Tie2, VEGFR2 and c-fm. ? 100-fold selectivity for raf kinase over CDK1, CDK2, c-src, ERK2, MEK, p38, Tie2, VEGFR2 and c-fm. GW5074 has been shown to block low potassium induced cell death, as well as, prevent neurodegeneration. GW5074 is cell-permeable.

References

1. Chin P.C., et al. (2004) J. Neurochem. 90(3): 595608.
 2. Lackey K., et al. (2000). Bioorganic Med. Chem. Ltr. 10(3): 223226.
 3. Chang M.S., (2005). Cell Signal. 17(3): 299310.
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Product Images

Chemical structure of GW5074 (SIH-451), a c-Raf1 kinase inhibitor. CAS #: 220904-83-6. Molecular Formula: C₁₅H₈Br₂INO₂. Molecular Weight: 520.9 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.